WHAT IS CLAIMED IS:

1   1.   An image data processing method for making it possible to

2   read image data acquired by different types of image data

3   acquisition means and processing the read image data so as to provide

4   an optimum output result, said image data processing method

5   comprising the steps of:

6   presetting image data processing contents considering

7   processing operation characteristics of the image data acquisition

8   means assigned the identification information in response to

9   identification information assigned for identifying the different

10   types of image data acquisition means;

11   reading the image data provided by one image data acquisition

12   means as image data to be processed;

13   determining which image data acquisition means the image data

14   to be processed is acquired by according to the identification

15   information;

16   selecting the image data processing contents corresponding

17   to the determination result in response thereto; and

18   processing the image data to be processed so as to provide

19   the optimum output result in accordance with the selected image

20   data processing contents.

1   2.   The image data processing method as claimed in claim 1, wherein

2   the identification information assigned for identifying the

3   different types of image data acquisition means is model names

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4   assigned to the image data acquisition means.

1   3.   The image data processing method as claimed in claim 1,

2   wherein the image data processing contents are at least one of image

3   correction processing contents for making a correction to an image

A   4   and image scaling processing contents for enlarging and *or* reducing

5   an image,

6   wherein the image correction processing contents include

7   color correction processing, brightness correction processing,

8   contrast correction processing, color saturation correction

9   processing, noise removal processing, smoothing processing, and

10 contour correction processing, at least one correction processing

11 of which is performed, and

12   wherein the image scaling processing contents are to perform

13 image scaling processing set based on a resolution of the image

14 data acquisition means.

1   4.   The image data processing method as claimed in claim 3,

2   wherein the image data to be processed is image data on a record

3   medium recording the image data acquired by the image data

4   acquisition means and

5   wherein the identification information is information

6   existing together with the image data recorded on the record medium.

1   5.   The image data processing method as claimed in claim 3,

2   wherein the image data to be processed is image data transferred

3   through communication means from the image data acquisition means

4   and

         wherein the identification information is information

6   existing together with the image data transferred through the

7   communication means.

1   6.   An image data print apparatus for making it possible to read

2   image data acquired by different types of image data acquisition

3   means, processing the read image data so as to provide an optimum

4   output result, and printing the processed image data, said image

5   data print apparatus comprising:

6   an image data read section capable of reading image data

7   acquired by different types of image data acquisition means as image

8   data to be processed;

9   a model determination section for determining which image

10   data acquisition means the image data acquisition means is from

11   identification information assigned for identifying the different

12   types of image data acquisition means;

13   an image data processing content storage section for storing

14   image data processing contents considering the processing

15   operation characteristics of the image data acquisition means

16   assigned the identification information in response to the

17   identification information assigned for identifying the different

18 types of image data acquisition means;

19   an image data processing section for receiving the

20 determination result from said model determination section,

21 selecting the image data processing contents corresponding to the

22 determination result out of said image data processing content

23 storage section, and executing the image data processing contents;

24 and

25   a print processing section for performing print processing

26 of the image data processed by said image data processing section.

1   7.   The image data print apparatus as claimed in claim 6, wherein

2   the identification information assigned for identifying the

3   different types of image data acquisition means is model names

4   assigned to the image data acquisition means.

1   8.   The image data print apparatus as claimed in claim 6, wherein

2   the image data processing contents executed by said image data

3   processing section are at least one of image correction processing

4   contents for making a correction to an image and image scaling

5   processing contents for enlarging and reducing an image,

6   wherein the image correction processing contents include

7   color correction processing, brightness correction processing,

8   contrast correction processing, color saturation correction

9   processing, noise removal processing, smoothing processing, and

10 contour correction processing, at least one correction processing

11   of which is performed, and

12   wherein the image scaling processing contents are to perform

13   image scaling processing set based on a resolution of the image

14   data acquisition means.

1   9.   The image data print apparatus as claimed in claim 8, wherein

2   the image data to be processed, read by said image data read section

3   is image data on a record medium recording the image data acquired

4   by the image data acquisition means and

5   wherein the identification information is information

6   existing together with the image data on the record medium.

1   10.   The image data print apparatus as claimed in claim 8, wherein

2   the image data to be processed, read by said image data read section

3   is image data transferred through communication means from the

4   image data acquisition means and wherein the identification

5   information is information existing together with the image data

6   transferred through the communication means.

1   11.   A record medium recording an image data processing program

2   for making it possible to read image data acquired by different

3   types of image data acquisition means, processing the read image

4   data so as to provide an optimum output result, and printing the

5   processed image data, said image data processing program comprising

6   the steps of:

7   reading image data acquired by one image data acquisition

8   means as image data to be processed;

9   determining which image data acquisition means the image data

10 acquisition means is from identification information assigned for

11 identifying the different types of image data acquisition means;

12 and

13   receiving the determination result as to which image data

14 acquisition means the image data acquisition means is, selecting

15 the image data processing contents considering the processing

16 operation characteristics of the image data acquisition means, and

17 performing image data processing responsive to the image data

18 processing contents.

1   12. The record medium recording the image data processing program

2   as claimed in claim 11, wherein the identification information

3   assigned for identifying the different types of image data

4   acquisition means is model names assigned to the image data

5   acquisition means.

1   13. The record medium recording the image data processing program

2   as claimed in claim 11, wherein the image data processing contents

3   are at least either of image correction processing contents for

4   making a correction to an image and image scaling processing

5   contents for enlarging or reducing an image, and

6   wherein the image correction processing contents include

7   color correction processing, brightness correction processing,

8   contrast correction processing, color saturation correction

9   processing, noise removal processing, smoothing processing, and

10   contour correction processing, at least one correction processing

11   of which is performed, and

12   wherein the image scaling processing contents are to perform

13   image scaling processing set based on a resolution of the image

14   data acquisition means.

1   14.   The record medium recording the image data processing program

2   as claimed in claim 13, wherein the image data to be processed is

3   image data on a record medium recording the image data acquired

4   by the image data acquisition means and

5   wherein the identification information is information

6   existing together with the image data recorded on the record medium.

1   15.   The record medium recording the image data processing program

2   as claimed in claim 13, wherein the image data to be processed is

3   image data transferred through communication means from the image

4   data acquisition means and

5   wherein the identification information is information

6   existing together with the image data transferred through the

7   communication means.

FIG. 3

S1   READ IMAGE DATA FILE

S2   ACQUIRE MODEL NAME

S3   DETERMINE MODEL

5   S4   PERFORM PROCESSING BASED ON IMAGE DATA PROCESSING CONTENTS

CORRESPONDING TO MODEL A

S5   PERFORM PROCESSING BASED ON IMAGE DATA PROCESSING CONTENTS

CORRESPONDING TO MODEL B

S6   PERFORM PROCESSING BASED ON IMAGE DATA PROCESSING CONTENTS

10   CORRESPONDING TO MODEL C

S7   PERFORM PRINT PROCESSING

FIG. 4A

(MODEL A)

S41   PERFORM EDGE ENHANCEMENT PROCESSING

15   S42   COLOR SATURATION = COLOR SATURATION +5

S43   SELECT BI CUBIC GENERAL AS RESIZING METHOD

S44   RESIZE

TO PRINT PROCESSING

FIG. 4B

20   (MODEL B)

S51   BRIGHTNESS = BRIGHTNESS +10

S52   CONTRAST = CONTRAST +7

S53   SELECT ALGORITHM FOR MODEL B AS RESIZING METHOD

S54   RESIZE

25   TO PRINT PROCESSING

FIG. 4C

(MODEL C)

S61 RED = RED +3

S62 COLOR SATURATION = COLOR SATURATION +5

5 S63 SELECT BI CUBIC GENERAL AS RESIZING METHOD

S64 RESIZE

TO PRINT PROCESSING